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Thanks, Ro 9/9/2005

AMENDED CLAIMS

Claims 1-3, 6-7 (original)

Claims 4-5 (previously presented)

Claims 8-10 (cancelled)

1) A high efficiency motor control, said high efficiency motor control comprising:

a signal input port, said port receiving an input signal;

an output port, said output port for outputting a current to a load;

a variable duty cycle oscillator, said variable duty cycle oscillator providing an alternating current output, whereby said alternating current output is a function of the input signal;

a positive voltage source input port, said positive voltage source input port receiving a direct current positive voltage;

a negative voltage source input port, said negative voltage source input port receiving a direct current negative voltage that is substantially lower than said direct current positive voltage;

a positive switching signal circuit, said positive switching signal circuit receiving the alternating current output, a sample from the positive voltage source input port, a sample from the negative voltage source input port, and a stable input voltage, and outputting a positive supply switching signal, whereby the positive supply switching signal is a function of the alternating current output signal, the sample signal from the positive voltage source input port, and the stable voltage signal. (original)

2) The high efficiency motor control of claim 1, wherein the high efficiency motor control also comprises a positive supply switch, said positive supply switch receiving the positive supply switching signal, and supplying current from the positive voltage source input port to the output port. (original)